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Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/137,898- 10/809,157
(use as many sheets as necessary)		Filing Date	MAY 2, 2002
		First Named Inventor	FRANK P. UCKERT ET AL.
		Group Art Unit	1711
		Examiner Name	UNKNOWN
		Attorney Docket Number	PE0667 US NA
Sheet	1	of	1

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

Examiner Signature		Date Considered	
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Application Number	10/137,808
Filing Date	MAY 2, 2002
First Named Inventor	FRANK P. UCKERT ET AL.
Group Art Unit	1711
Examiner Name	UNKNOWN
Attorney Docket Number	PE0667 US NA

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**Examiner  
Signature**

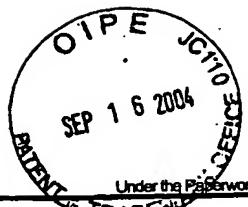
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PTO/SB/08A (08-03)

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~~Substitute for Form 7-118-AVPTO~~

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet : 1 of 2

<i>Complete if Known</i>	
Application Number	10/809,737
Filing Date	March 25, 2004
First Named Inventor	Frank P. Uckert et al.
Group Art Unit	1714
Examiner Name	Unknown
Attorney Docket Number	PE0667USDIV

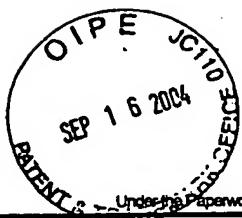
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Substitute for form 1449A/PTO		<b>Complete if Known</b>			
		Application Number	10/809,737		
		Filing Date	March 25, 2004		
		First Named Inventor	Frank P. Uckert et al.		
		Group Art Unit	1714		
		Examiner Name	Unknown		
Sheet 2 of 2		Attorney Docket Number	PE0687USDIV		

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
lu		DE 19846767, Partially conjugated polymer useful as an organic semiconductor or an electroluminescence material, and for display elements in television monitor and illumination technology contains fluorene building units, Abstract, 08-13-2000, Aventis Res & Technologies GmbH	<input type="checkbox"/>
		JP 2000319272, (Diarylarnino) furan analogues with improved stability, useful pharmaceutical intermediates and electron hole transport or photosensitive materials, Abstract, 04-21-2001, Tosoh Corp	<input type="checkbox"/>
		JP 08157575, Carrier transport polymers – useful as carrier transport materials in organic thin film electroluminescence devices, Abstract, 10-25-1998, Toppan Printing Co. Ltd.	<input type="checkbox"/>
		JP 2000143778, Display element such as cathode ray tube and light emitting diode, comprises specified light emitting compound as color developing materials, Abstract, 10-06-2000, Samsung Denkan KK	<input type="checkbox"/>
		JP 10273522, Production of phenylene group-containing copolymers – comprises copolymerizing phenylene group-containing compounds in presence of catalysts containing transition metal compounds, Abstract, 01-13-1999, Nippon Gosei Gomu KK	<input type="checkbox"/>
		JP 10273521, Production of phenylene group-containing copolymers – comprises copolymerizing phenylene group-containing compounds in presence of catalysts containing transition metal compounds, Abstract, 12-23-1999, Nippon Gosei Gomu KK	<input type="checkbox"/>
		JP 03028220, Electrochromic elements for display or optical shield glass – contg. film of polyphenylene polymer derived from fluorene, Abstract, 09-28-1993, Idemitsu Kosan Co. Ltd.	<input type="checkbox"/>
		JP 03017120, Polyphenylene polymers used as conductive material or display material are produced by chemical or electrochemical-oxidative polymerizing of specified fluorene derivs, Abstract, 09-28-1993, Idemitsu Kosan Co. Ltd.	<input type="checkbox"/>
		JP 02269734, New polyphenylene-type polymer prep. By oxidn. Polymerization of fluorene derive., Abstract, 09-28-1993, Idemitsu Kosan Co. Ltd.	<input type="checkbox"/>
lu		KR 99057430, Fluorene-based alternating statistical copolymer containing multi-luminescence groups and electroluminescence device using the same, Abstract, 07-15-1999, Korea Adv Inst Sci & Technology	<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature	<i>Frank P. Uckert</i>	Date Considered	5/15/06
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Substitute for form 1449B/PTO				Complete If Known	
				<i>Application Number</i>	10/809,737
				<i>Filing Date</i>	March 25, 2004
				<i>First Named Inventor</i>	Frank P. Uckert Et. Al.
				<i>Art Unit</i>	1714
				<i>Examiner Name</i>	Unknown
Sheet	1	of	1	Attorney Docket Number	PE0667USDIV

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
uc		COWELL, ALLAN B. ET AL., Fluoroalkylation of Aromatic Compounds, Journal of Fluorine Chemistry, 17, 1981, 345-356, Elsevier Sequola S.A., Lausanne, The Netherlands			<input type="checkbox"/>
uc		KAMIGATA, NOBUMASA ET AL., Direct Perfluoroalkylation of Aromatic and Heteroaromatic Compounds with Perfluoroalkanesulfonyl Chlorides Catalysed by a Ruthenium (II) Phosphine Complex, J. Chem. Soc. Perkin Trans., 1, 1994, 1339-1346			<input type="checkbox"/>
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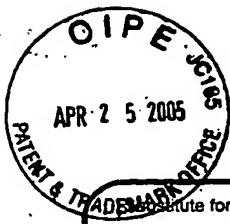
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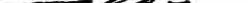
3

<i>Complete If Known</i>	
Application Number	10/809,737
Filing Date	MARCH 25, 2004
First Named Inventor	FRANK P. UCKERT
Group Art Unit	1714
Examiner Name	UNKNOWN
Attorney Docket Number	PE0667US DIV

## **U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		CountryCode <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		T
		WO 01/77203 A2	10-18-2001	Unilax Corporation	
		WO 02/066537 A1	08-29-2002	Cambridge Display Techn	
		WO 01/81294 A1	11-01-2001	Sony International GmbH	
		WO 01/42331 A1	06-14-2001	Cambridge Display Tech & Max Planck Inst for Poly	
		WO 00/46321 A1	08-10-2000	The Dow Chemical Co.	
		WO 00/22027 A1	04-20-2000	Axiva GmbH	
		WO 99/54385 A1	10-28-1999	The Dow Chemical Co.	
		WO 00/53656 A1	09-14-2000	Cambridge Display Techn	
		WO 00/55927 A1	09-21-2000	Cambridge Display Techn	

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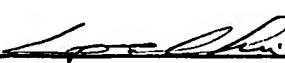
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				<i>Examiner Name</i>	Unknown
Sheet	2	of	2	<i>Attorney Docket Number</i>	P0E0667USDIV

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
lc		KOREAN PATENT ABSTRACTS, KR 00245841 B1, Fluorene-Based Alternating-Statistical Copolymer Containing Multi-Luminescence Groups and Electroluminescence Device Using The Copolymer, 12-01-1999, Korea Institute of Science and Technology			<input type="checkbox"/>
		KREYENSCHMIDT M. et al., Thermally Stable Blue-Light-Emitting Copolymers of Poly(alkylfluorene), Macromolecules, 1998, 1099-1103, 31, American Chemical Society			<input type="checkbox"/>
lc		LEE, JEONG-IK et al., Light-emitting electrochemical cells based on poly(9,9-bis(3,6-dioxaheptyl)-fluorene-2,7-diyl), Synthetic Metals, 2000, 195-197, 111-112, Elsevier Science S.A.			<input type="checkbox"/>
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